Inventor's Name: DENG et al. Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 1 of 25 sheets

Pathways for Glucosamine Synthesis

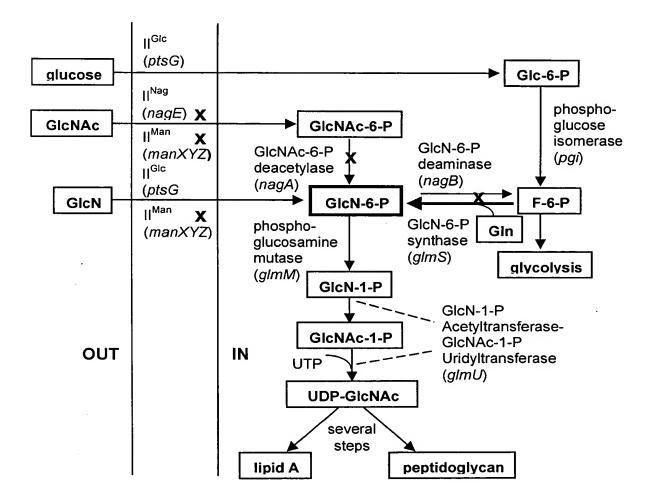


FIG. 1

Sheet 2 of 25 sheets

Pathways for Glucosamine and N-Acetylglucosamine Synthesis

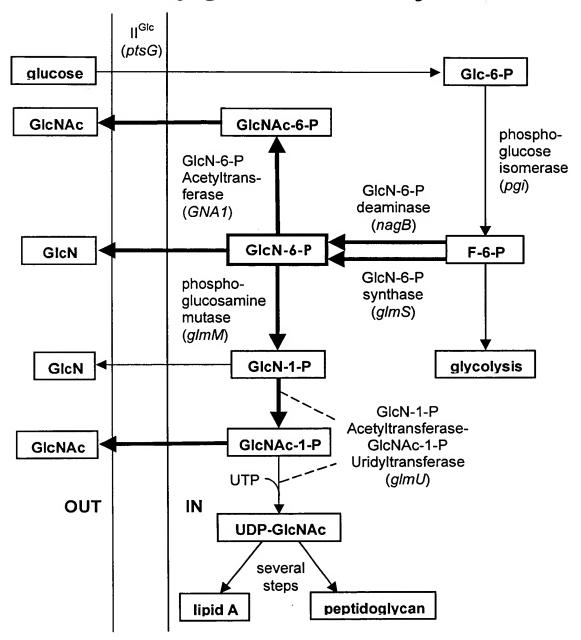


FIG. 2

Sheet 3 of 25 sheets

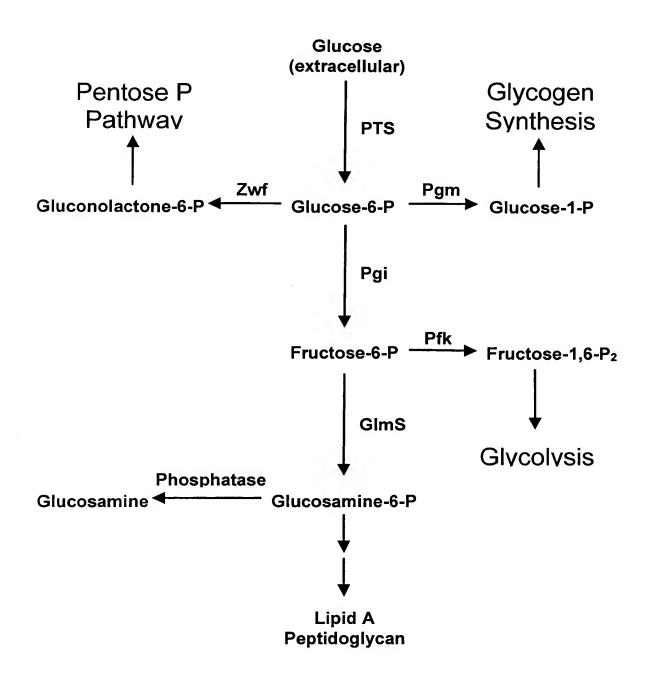


FIG. 3

Sheet 4 of 25 sheets

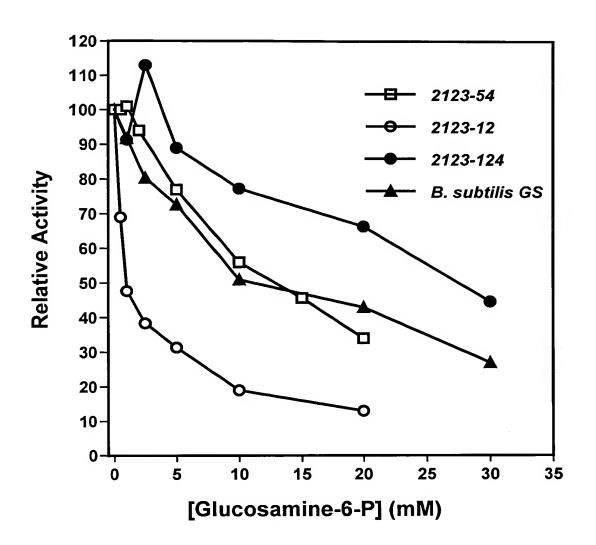


FIG. 4

Sheet 5 of 25 sheets

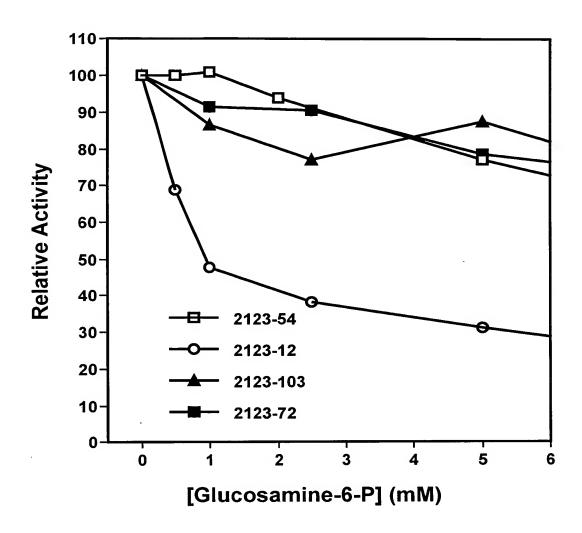
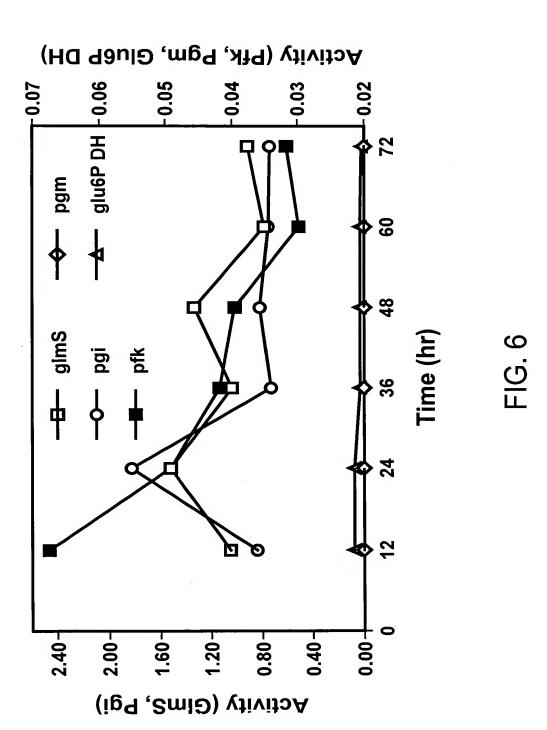


FIG. 5



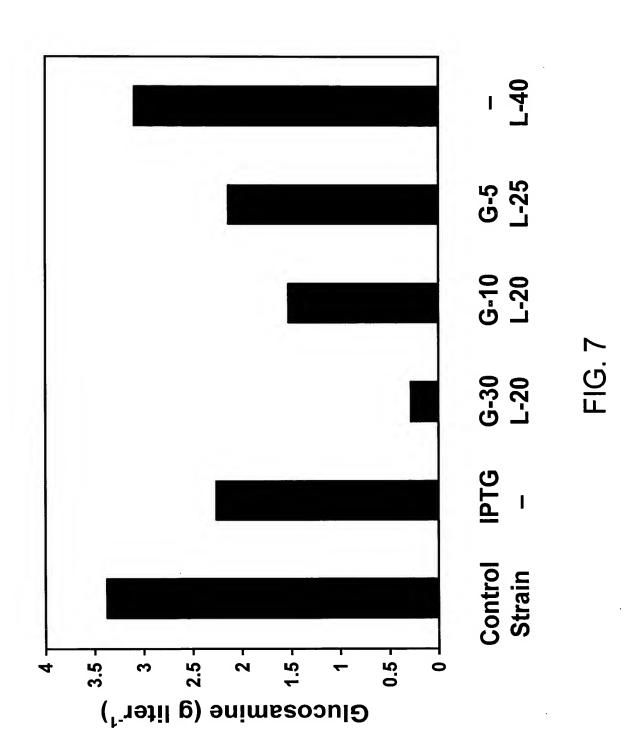
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Inventor's Name: DENG et al.

Inventor's Name: DENG et al. Serial No. Not Yet Assigned

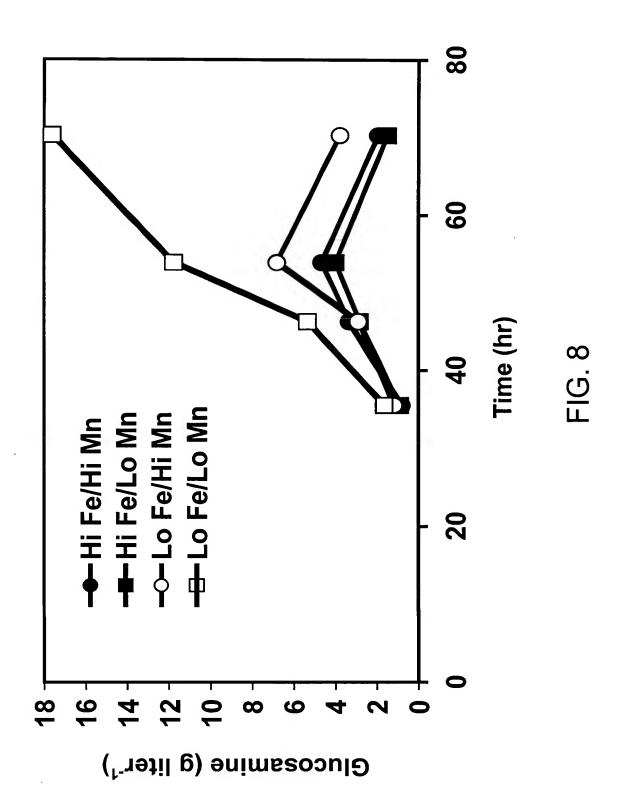
Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 7 of 25 sheets



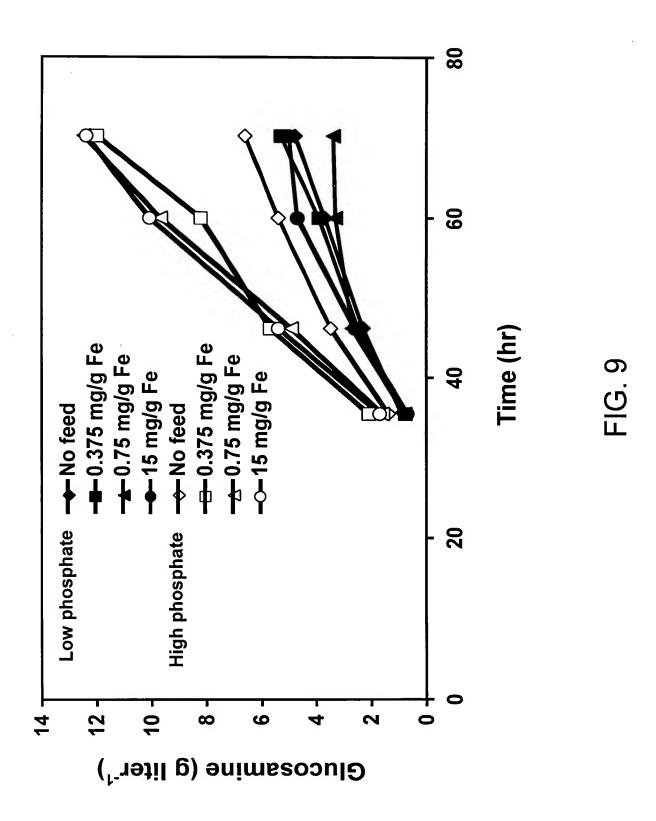
Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 8 of 25 sheets



Inventor's Name: DENG et al. Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 9 of 25 sheets



Sheet 10 of 25 sheets

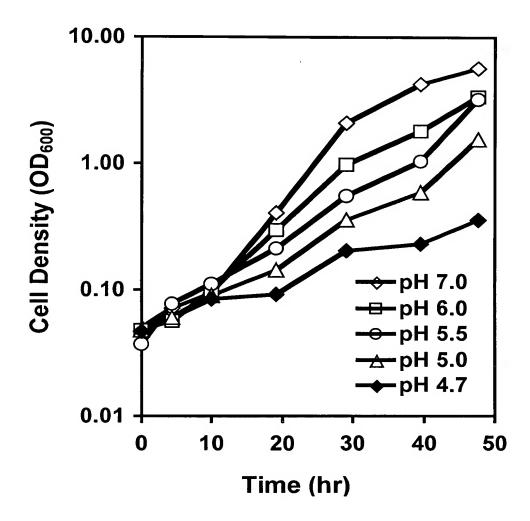
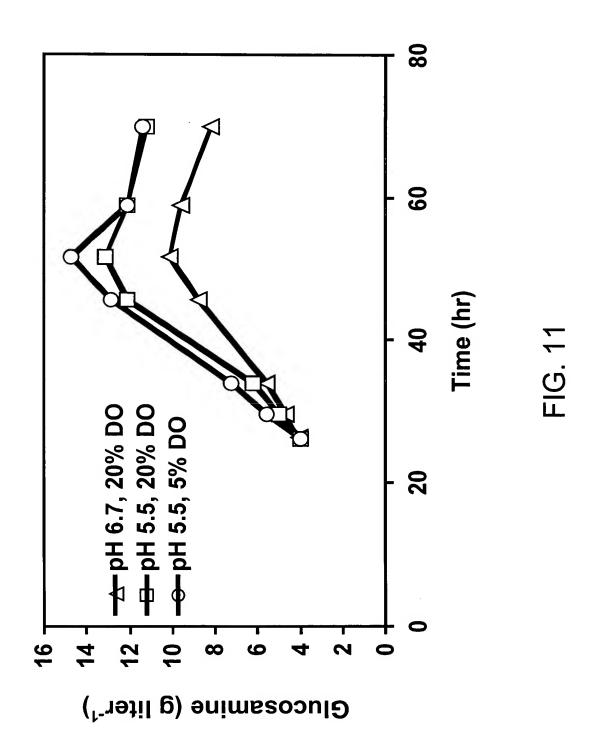


FIG. 10

Sheet 11 of 25 sheets



Agent: Angela K. Dallas
Telephone: 303/863-9700 Sheet 12 of 25 sheets

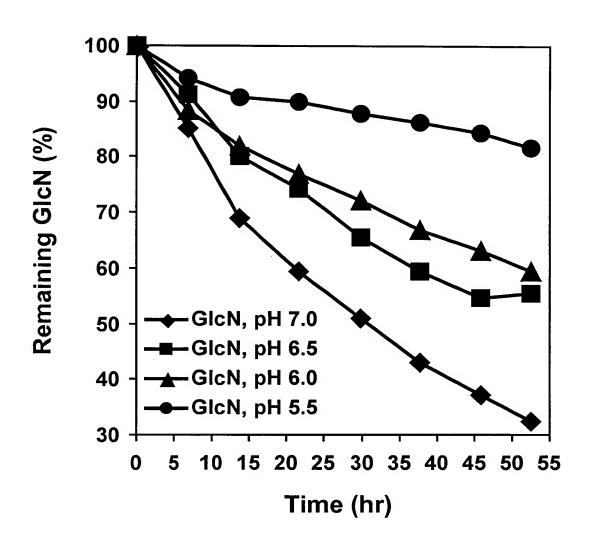


FIG. 12

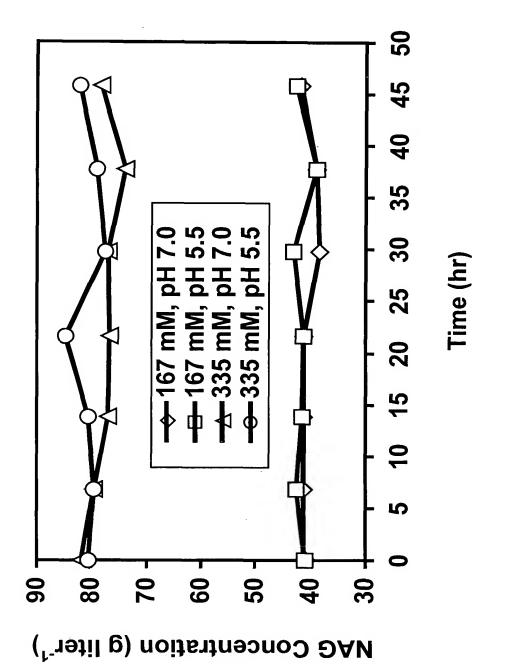


FIG. 13

Inventor's Name: DENG et al.
Serial No. Not Yet Assigned

Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 14 of 25 sheets

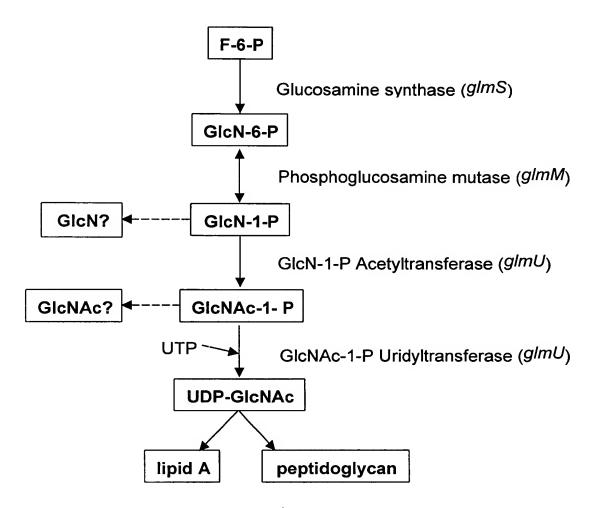


FIG. 14

Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 15 of 25 sheets

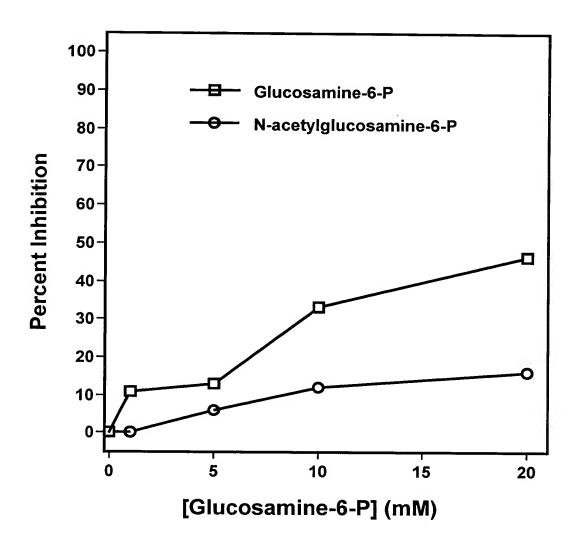


FIG. 15

Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 16 of 25 sheets

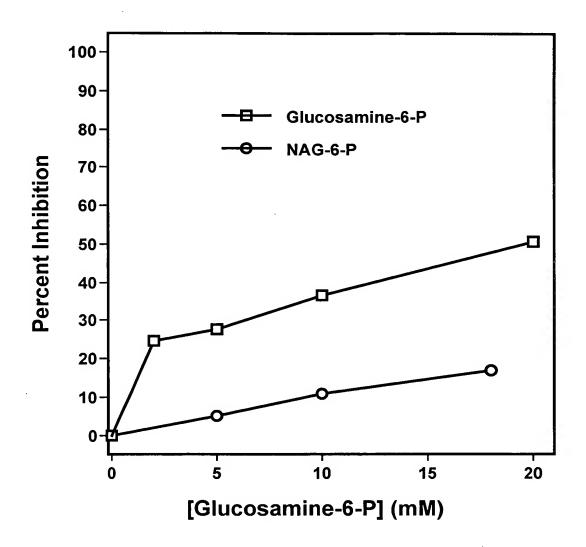
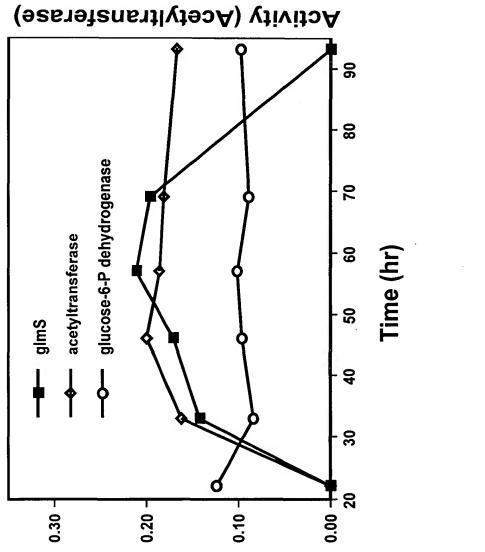


FIG. 16



Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

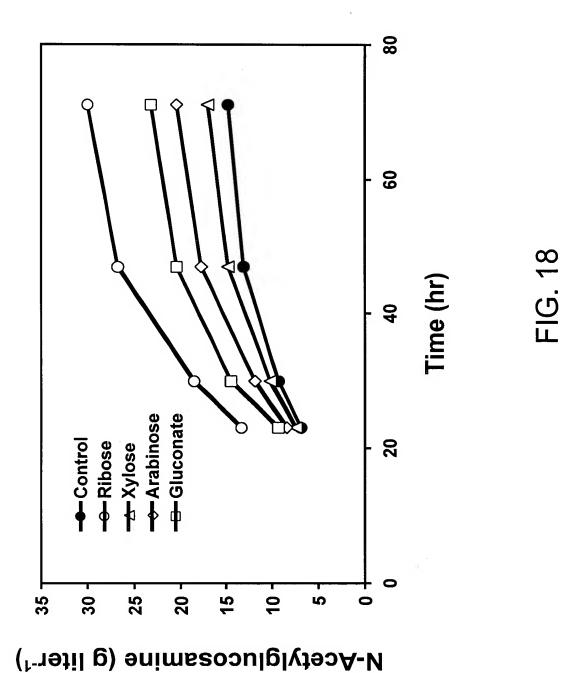
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Inventor's Name:

Serial No. Not Yet Assigned

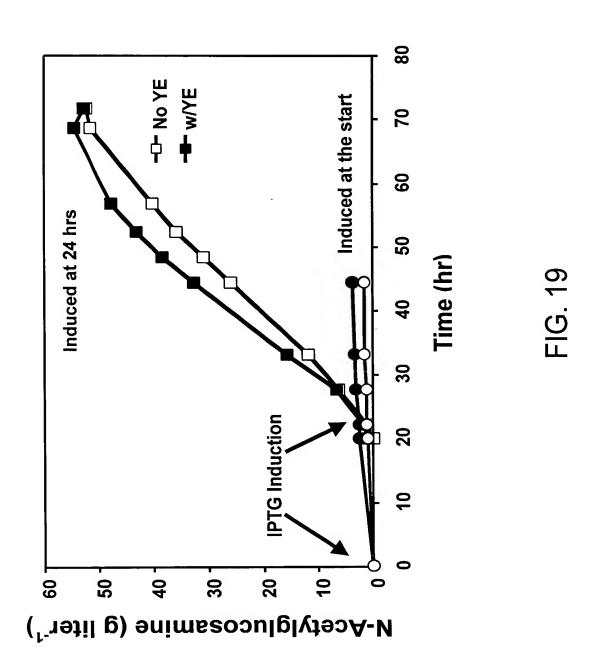
Sheet 17 of 25 sheets

Inventor's Name: DENG et al. Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700



Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

Sheet 19 of 25 sheets



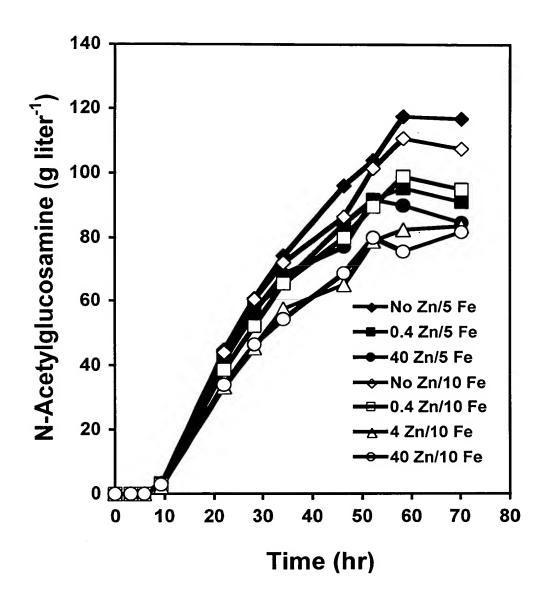
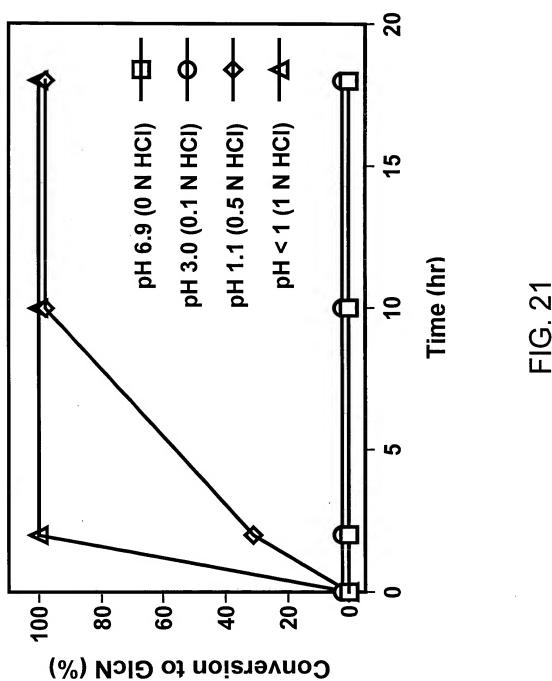


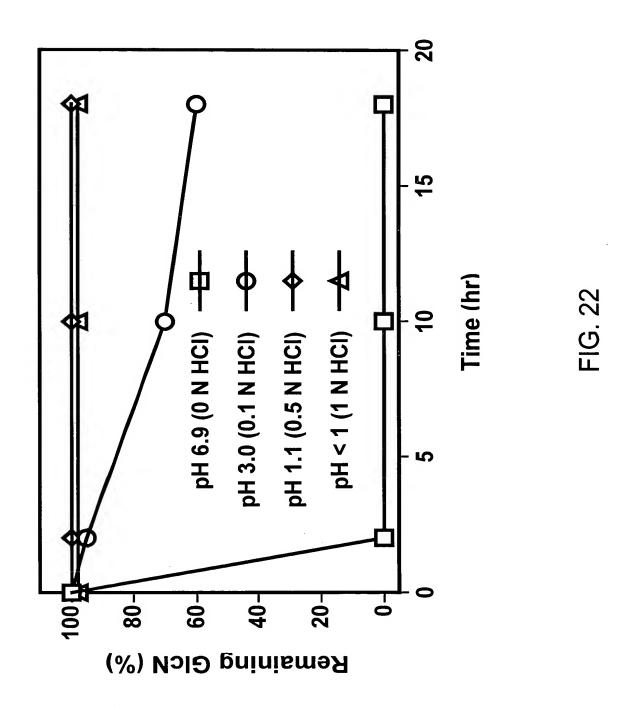
FIG. 20



Inventor's Name: DENG et al.

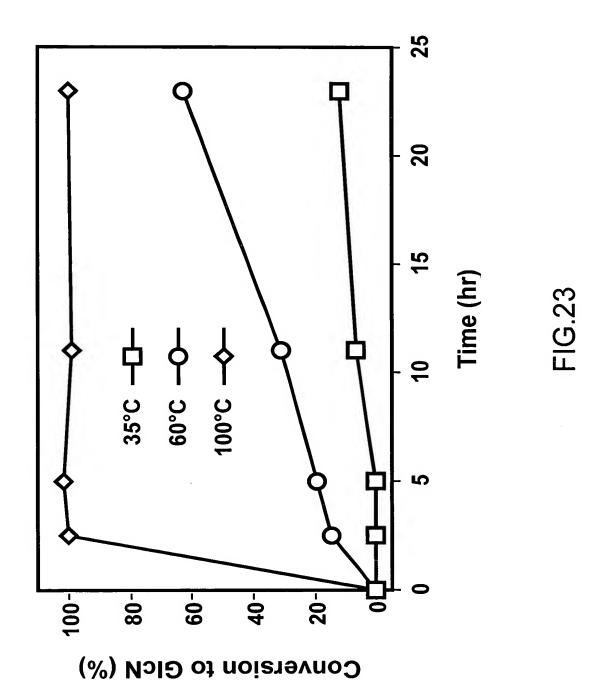
Inventor's Name: DENG et al. Serial No. Not Yet Assigned Docket No. 3161-18-2 Agent: Angela K. Dallas Telephone: 303/863-9700

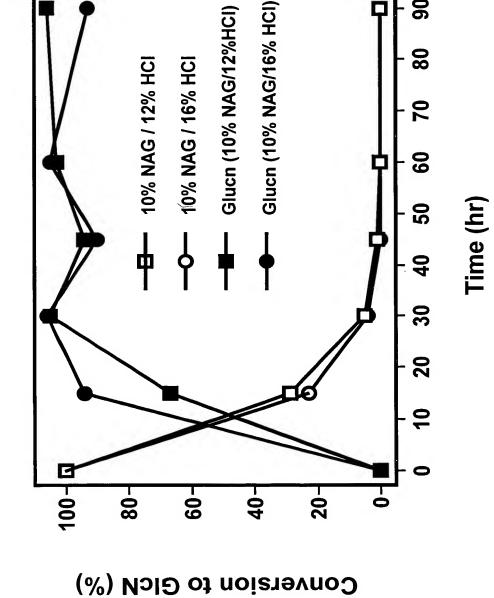
Sheet 22 of 25 sheets



GLUCOSAMINE AND N-ACETYL GLUCOSAMINE
Inventor's Name: DENG et al.
Serial No. Not Yet Assigned
Docket No. 3161-18-2
Agent: Angela K. Dallas
Telephone: 303/863-9700

Sheet 23 of 25 sheets





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Inventor's Name:

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Sheet 25 of 25 sheets

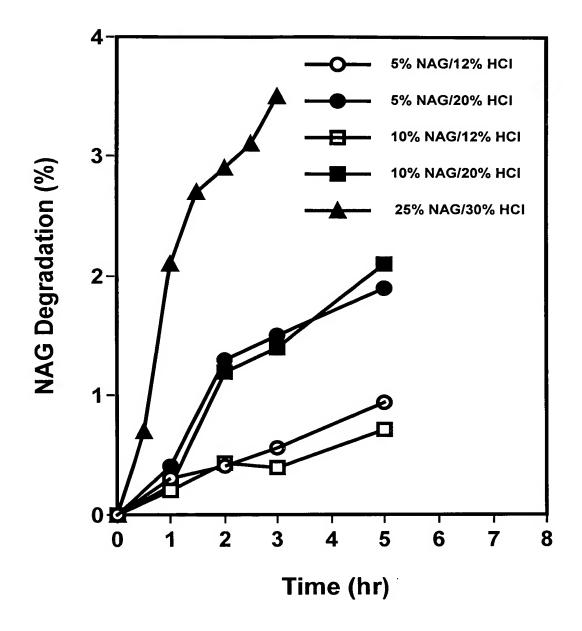


FIG. 25